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L5 and 562/\$	10

Database:

US Pre-Grant Publication Full-Text Database
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 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

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Search History

DATE: Tuesday, July 18, 2006 [Printable Copy](#) [Create Case](#)

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
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<u>L4</u>	terephthalic acid and remov\$8 impurities and centrifug\$6 and water and counter current	29	<u>L4</u>
<i>DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
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☐ 1. Document ID: US 20050159617 A1

L6: Entry 1 of 10

File: PGPB

Jul 21, 2005

PGPUB-DOCUMENT-NUMBER: 20050159617

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050159617 A1

TITLE: Process for production of a carboxylic acid/diol mixture suitable for use in polyester production

PUBLICATION-DATE: July 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Parker, Kenny Randolph	Afton	TN	US
Lin, Robert	Kingsport	TN	US
Gibson, Philip Edward	Kingsport	TN	US

US-CL-CURRENT: 562/485

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
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☐ 2. Document ID: US 20050159616 A1

L6: Entry 2 of 10

File: PGPB

Jul 21, 2005

PGPUB-DOCUMENT-NUMBER: 20050159616

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050159616 A1

TITLE: Process for production of a dried carboxylic acid cake suitable for use in polyester production

PUBLICATION-DATE: July 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Parker, Kenny Randolph	Afton	TN	US
Lin, Robert	Kingsport	TN	US
Gibson, Philip Edward	Kingsport	TN	US

US-CL-CURRENT: 562/485

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 3. Document ID: US 20050038288 A1

L6: Entry 3 of 10

File: PGPB

Feb 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050038288
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050038288 A1

TITLE: Extraction process for removal of impurities from an oxidizer purge stream
in the synthesis of carboxylic acid

PUBLICATION-DATE: February 17, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lin, Robert	Kingsport	TN	US
de Vreede, Marcel	Kingsport	TN	US

US-CL-CURRENT: 562/400; 562/600

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 4. Document ID: US 20040249208 A1

L6: Entry 4 of 10

File: PGPB

Dec 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040249208
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040249208 A1

TITLE: Extraction process for removal of impurities from mother liquor in the
synthesis of carboxylic acid

PUBLICATION-DATE: December 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lin, Robert	Kingsport	TN	US
de Vreede, Marcel	Kingsport	TN	US

US-CL-CURRENT: 562/600; 502/20, 562/608

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 5. Document ID: US 20040249207 A1

L6: Entry 5 of 10

File: PGPB

Dec 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040249207
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040249207 A1

TITLE: Extraction process for removal of impurities from an aqueous mixture

PUBLICATION-DATE: December 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lin, Robert	Kingsport	TN	US
de Vreede, Marcel	Kingsport	TN	US

US-CL-CURRENT: 562/600; 562/608

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 6133476 A

L6: Entry 6 of 10

File: USPT

Oct 17, 2000

US-PAT-NO: 6133476
DOCUMENT-IDENTIFIER: US 6133476 A

TITLE: Process for purification of aromatic polycarboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 7. Document ID: US 6113866 A

L6: Entry 7 of 10

File: USPT

Sep 5, 2000

US-PAT-NO: 6113866
DOCUMENT-IDENTIFIER: US 6113866 A

**** See image for Certificate of Correction ****TITLE: Apparatus for preparing purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 8. Document ID: US 6013835 A

L6: Entry 8 of 10

File: USPT

Jan 11, 2000

US-PAT-NO: 6013835
DOCUMENT-IDENTIFIER: US 6013835 A

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for preparing purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 9. Document ID: US 5840968 A

L6: Entry 9 of 10

File: USPT

Nov 24, 1998

US-PAT-NO: 5840968

DOCUMENT-IDENTIFIER: US 5840968 A

TITLE: Method and apparatus for preparing purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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☐ 10. Document ID: US 5200557 A

L6: Entry 10 of 10

File: USPT

Apr 6, 1993

US-PAT-NO: 5200557

DOCUMENT-IDENTIFIER: US 5200557 A

TITLE: Process for preparation of crude terephthalic acid suitable for reduction to prepare purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
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L5 and 562/\$

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☐ 1. Document ID: US 6864378 B2

L2: Entry 1 of 12

File: USPT

Mar 8, 2005

US-PAT-NO: 6864378

DOCUMENT-IDENTIFIER: US 6864378 B2

TITLE: Integrated continuous process for anhydro sugar alcohol manufacture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 2. Document ID: US 6133476 A

L2: Entry 2 of 12

File: USPT

Oct 17, 2000

US-PAT-NO: 6133476

DOCUMENT-IDENTIFIER: US 6133476 A

TITLE: Process for purification of aromatic polycarboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 3. Document ID: US 6113866 A

L2: Entry 3 of 12

File: USPT

Sep 5, 2000

US-PAT-NO: 6113866

DOCUMENT-IDENTIFIER: US 6113866 A

**** See image for Certificate of Correction ****TITLE: Apparatus for preparing purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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☐ 4. Document ID: US 6013835 A

L2: Entry 4 of 12

File: USPT

Jan 11, 2000

US-PAT-NO: 6013835

DOCUMENT-IDENTIFIER: US 6013835 A

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for preparing purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 5840968 A

L2: Entry 5 of 12

File: USPT

Nov 24, 1998

US-PAT-NO: 5840968

DOCUMENT-IDENTIFIER: US 5840968 A

TITLE: Method and apparatus for preparing purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 5382712 A

L2: Entry 6 of 12

File: USPT

Jan 17, 1995

US-PAT-NO: 5382712

DOCUMENT-IDENTIFIER: US 5382712 A

TITLE: Process for the production of bisphenol A

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 7. Document ID: US 5382711 A

L2: Entry 7 of 12

File: USPT

Jan 17, 1995

US-PAT-NO: 5382711

DOCUMENT-IDENTIFIER: US 5382711 A

TITLE: Process for the production of bishenol A

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 8. Document ID: US 5371304 A

L2: Entry 8 of 12

File: USPT

Dec 6, 1994

US-PAT-NO: 5371304

DOCUMENT-IDENTIFIER: US 5371304 A

TITLE: Process for the production of bisphenol A

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 9. Document ID: US 5324867 A

L2: Entry 9 of 12

File: USPT

Jun 28, 1994

US-PAT-NO: 5324867

DOCUMENT-IDENTIFIER: US 5324867 A

TITLE: Process for the production of bisphenol A.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. D
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☐ 10. Document ID: US 5200557 A

L2: Entry 10 of 12

File: USPT

Apr 6, 1993

US-PAT-NO: 5200557

DOCUMENT-IDENTIFIER: US 5200557 A

TITLE: Process for preparation of crude terephthalic acid suitable for reduction to prepare purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. D
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L1 and wash

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